| Iri | ıdex | of C | Claims | 5 |
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| Application No. | Applicant(s)   |          |
|-----------------|----------------|----------|
| 09/862,890      | HOOVER, RONALD | <b>D</b> |
| Examiner        | Art Unit       |          |
| Jimmy G Foster  | 3728           |          |

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| = | Allowed  | + |     |

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| _ | Interference |

Jimmy G Foster

| A | Appeal   |
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| Cla                    | aim         | _               |          |           | D                       | ate      |         |         |          |             |      | Cla      | mie      | Π               |              |         | Dat      | е                  |                         |        |            | CI       | aim        | Г               |                       |         | Da       | le                  |                 |          |          |
|------------------------|-------------|-----------------|----------|-----------|-------------------------|----------|---------|---------|----------|-------------|------|----------|----------|-----------------|--------------|---------|----------|--------------------|-------------------------|--------|------------|----------|------------|-----------------|-----------------------|---------|----------|---------------------|-----------------|----------|----------|
| Final                  | Original    | 3/1/04          |          |           | ٦                       | Ī        |         |         |          |             |      | Final    | Original |                 |              |         | Ī        | Ī                  |                         |        |            | Final    | Original   |                 |                       |         | T        |                     |                 |          |          |
| Ę                      | ğ<br>A      |                 |          |           |                         |          | _       | 1       | $\perp$  | _           |      | Œ        |          |                 | $\downarrow$ | 1       | $\perp$  |                    |                         | _      |            | <u> </u> | ਰ<br>101   | _               |                       | $\perp$ | $\perp$  | _                   |                 |          | L        |
| $\vdash$               | <b>U</b>    | 7               | -        |           | -                       | -        | +       | +       | +        | -4:         | :::: |          | 51<br>52 | ╁               | +            | +-      | +        | Н                  | $\dashv$                | ┿      | 1111.      |          | 101        | $\vdash$        | $\vdash$              | ╁       | +-       | ╁╌                  | $\vdash$        | -        | -        |
|                        | 4-          | 7               | -        | -         | -                       | $\dashv$ |         | ╅       | -+       | $\exists$   | :::  |          | 53       | $\vdash$        | +            | ╁       | ╫        | ┰                  | +                       | +      | ::::       |          | 103        | $\vdash$        | $\vdash$              | +       | ╫        | ╁                   | Н               | ┝        | ┝        |
|                        | 1           | 7               | -        | $\vdash$  | +                       | $\dashv$ | ╅       | +       | +        | 4:          |      |          | 54       | $\vdash$        | +            | +       | ╁        | H                  | $\dashv$                | ┰      |            |          | 104        | -               | ╌┼╌                   | +-      | ┿        | ┿                   | Н               | $\vdash$ | ┝        |
|                        | <u>(5)</u>  | =               | -        | $\dashv$  | ┪                       | -+       | 十       | +       | $\dashv$ | -           |      |          | 55       | <del>   </del>  | $\dashv$     | +       | +        | H                  |                         |        |            |          | 105        | 1               |                       | ┿       | ╈        | +                   | Н               | М        | 卜        |
|                        | 8           | _               | $\neg$   |           | 十                       | +        | _       | 7       | 十        | -1:         |      |          | 56       |                 | $\top$       | T       | Ť        | T                  |                         | 十      |            |          | 106        |                 |                       | 1       | 1        | ✝                   | Н               | П        | Г        |
|                        | 7           | =               |          | 一         | ┪                       | 7        | +       | 7       | $\top$   |             |      |          | 57       |                 | 1            | 7       | T        | П                  |                         | 1      | : 17       |          | 107        |                 |                       | T       | T        | Т                   | П               | П        | Г        |
|                        | 8           |                 |          |           |                         | $\Box$   |         | I       | $\Box$   |             |      |          | 58       |                 |              |         |          |                    |                         |        |            |          | 108        |                 |                       |         |          |                     |                 |          |          |
|                        | 9           |                 |          |           |                         |          |         | $\Box$  | $\Box$   |             |      |          | 59       | Ш               |              |         | $\perp$  | Ш                  |                         |        | irr        |          | 109        |                 |                       |         | L        | L                   |                 |          | L        |
|                        | 10          | П               |          |           |                         |          |         | 1       | 4        | _           |      |          | 60       | Ш               | $\bot$       | $\perp$ | ┸        | Ш                  | _                       |        | ::::       |          | 110        | Ш               | $\sqcup \!\!\! \perp$ | 4       | ╀        | ↓                   | Ш               | _        | L        |
| $\sqcup$               | 11          | Ш               |          | _         | 4                       | 4        | 4       | 4       | 4        | _           |      |          | 61       | ├ -             | 4            | $\perp$ | $\bot$   | Н                  | _                       | _      |            |          | 111        | Щ               |                       | +       | ╁.       | ـــ                 | ╙               | $\vdash$ | L        |
| $\vdash$               | 12          | Н               | 4        |           | _                       | 4        | - -     | 4       | +        | 4           |      |          | 62       | ┝╌┼╴            | -            | -       | +        | $\sqcup$           |                         | +-     |            |          | 112        | Н               | $\vdash$              | +       | +        | +-                  | Н               | Н        | H        |
|                        | 13          | $\vdash \vdash$ | -        | $\dashv$  | +                       | -+       | +       | +       | +        | $\dashv$    |      |          | 63       | $\vdash \vdash$ | +            | +       | +        | Н                  | $\dashv$                | +      |            |          | 113        | $\vdash$        | $\vdash$              | +       | ╁        | ┼-                  | $\vdash$        | $\vdash$ | H        |
| $\vdash$               | 15          | Н               |          | $\dashv$  | $\dashv$                | $\dashv$ |         | +       | ┵        | $\dashv$    |      |          | 64<br>65 | $\vdash \vdash$ | +            | ╁       | ╁╌       | H                  | +                       | ╁      |            |          | 114<br>115 | $\vdash$        | $\vdash \vdash$       | +       | +-       | ╀                   | ┼┤              | $\vdash$ | ┝        |
| $\vdash \vdash$        | 16          | Н               | $\dashv$ | $\dashv$  | $\dashv$                | 十        | +       | +       | +        | ┨.          |      |          | 66       | ⊢┼              | ┰            | ╁       | +        | Н                  |                         |        |            |          | 116        | Н               | $\vdash$              | ┿       | ┿        | ╫                   | -               | -        | ┝        |
| $\vdash$               | 17          | Н               | -        | ┪         | +                       | +        | -+      | +       | $\dashv$ | <b>⊣</b> :: |      |          | 67       | $\vdash \vdash$ | +            | +       | +        | H                  | +                       | ╁      |            |          | 117        | Н               | -                     | +       | +        | ✝                   | Н               | $\vdash$ | ┢        |
| $\vdash$               | 18          | Н               | $\dashv$ | ┪         | 十                       | 十        | +       | +       | ╅        | $\dashv$    |      |          | 68       | $\vdash$        | +            | ╅       | T        | H                  |                         | +      |            |          | 118        | Н               | $\top$                | +       | ╫        | $\vdash$            | П               |          | H        |
| H                      | 19          | П               | $\neg$   | $\neg$    | ヿ                       | 1        | $\top$  | 7       | _        | 7           |      |          | 69       | $\vdash$        | T            | 十       | $\top$   | П                  |                         | T      | :<br>::    |          | 119        | М               |                       | $\top$  | 1        |                     | П               | $\neg$   | Г        |
|                        | 20          | П               | ヿ        | 寸         | 寸                       | 寸        | 十       | 7       | 寸        | 7           |      |          | 70       |                 | 7            | 1       | T        | П                  | 1                       | 1      |            |          | 120        |                 |                       |         | 1        |                     | П               |          | Г        |
|                        | 21          |                 |          |           | T                       | T        | Т       | T       |          |             |      |          | 71       |                 |              |         |          | $\Box$             |                         |        |            |          | 121        |                 |                       | Τ       | Г        |                     |                 |          |          |
|                        | 22          |                 |          | $\Box$    |                         |          |         | Ι       |          |             |      |          | 72       |                 | $\perp$      |         |          |                    |                         |        |            |          | 122        |                 |                       |         |          |                     |                 |          | L        |
|                        | 23          |                 |          | _         | _                       | 4        | _       | 4       | 4        | _           |      |          | 73       | $\vdash$        | 4            | ┸       | ┸        | Ш                  |                         | -      |            |          | 123        | Ш               | Ш                     | 4       | ╀        |                     | Ш               | Щ.       | L        |
| $\vdash$               | 24          |                 | _        | 4         | 4                       | 4        | -       | 4       | 4        | 4           |      |          | 74       | $\vdash$        | +            | 4       | -        | $\sqcup$           | +                       | +      |            |          | 124        |                 | -                     | +       | -        | -                   |                 |          | L        |
| $\vdash$               | <b>(25)</b> |                 |          |           | +                       | +        | -       | +       | +        | -           |      |          | 75       |                 | ╬            | ┿       | ╀        | $\vdash$           |                         | ╀      |            |          | 125        | Ш               | -                     | +       | ╀        | ⊢                   | $\vdash$        | -        | H        |
| $\vdash$               | 26<br>27    | $\dashv$        |          | -         | +                       | +        | -       | +       | ╁        | -           |      |          | 76<br>77 | $\vdash$        | +            | +       | ╁        | $\vdash$           |                         |        |            |          | 126<br>127 | Н               | $\dashv$              | ╁       | ╁        | ╁                   |                 |          | -        |
| $\vdash \vdash$        | 28          | ⊢┨              | $\dashv$ | ┰         | -                       | +        | ╬       | ╁       |          | -           | •    |          | 78       | $\vdash$        | ╫            | ┿       | ╁╴       | Н                  |                         | +      | ::::       |          | 128        | Н               | $\dashv$              | ╁       | ╁╴       | ⊢                   | Н               | $\dashv$ | H        |
| ├─┤                    | 29          | $\vdash$        | -        | ┪         | ╁                       | $\dashv$ | +       | ╅       | ╅        | _։          | 1    |          | 79       | $\vdash$        | ╫            | +       | ╁        | Н                  | -                       | +-     |            |          | 129        | Н               |                       | ╁╌      | ╁        | ╁╾                  | $\vdash$        | -        |          |
| Н                      | 30          | -               | 寸        | _         | +                       | $\dashv$ | ╅       | +       | 十        | 1           | ŀ    | _        | 80       | -               | ╅            | +       | +        | Н                  | +                       | ╁╌     |            |          | 130        | Н               |                       | +       | +        | ╁                   | $\vdash$        |          | _        |
|                        | 31          | T               | 7        | T         | ヿ                       | _        | 十       | †       | 1        | 1           |      |          | 81       |                 | 十            | 十       | 1        | П                  | _                       | $\top$ | i i i      |          | 131        | $\Box$          |                       | ╈       | †-       | †                   | Н               | $\neg$   | Г        |
|                        | 32          | $\Box$          | ╛        | $\neg$    | 7                       | 7        | $\top$  | Ť       | $\top$   | 7           | ı    |          | 82       |                 | $\top$       |         | Т        | П                  |                         | $\top$ |            |          | 132        |                 |                       | 1       | 1        | T                   | П               |          | Г        |
|                        | 33          |                 | $\Box$   |           |                         | T        |         | T       | $\Box$   |             |      |          | 83       |                 | Τ            |         |          | П                  |                         |        |            |          | 133        |                 |                       | Τ       | Г        |                     |                 |          | Г        |
|                        | 34          |                 |          | $\Box$    |                         |          |         | $\perp$ |          |             |      |          | 84       |                 | $\perp$      | $\perp$ |          |                    |                         | П      |            |          | 134        |                 |                       | $\perp$ |          | $\Box$              |                 |          |          |
| $\sqcup$               | 35          |                 | _        | _         | 4                       | 4        | 4       | 4       | 4        | 4           |      |          | 85       | 4               | 4            | 4       | <u> </u> | Ш                  | $\perp$                 | ┷      |            |          | 135        | Щ               |                       | ╄       | ┺        | ┞                   | Ш               | _        | _        |
| $\vdash$               | 36          |                 | -        | 4         | 4                       | 4        |         | 4       | 4        | 40          |      |          | 86       | -               | -            | 4-      | ┿        | Н                  | -                       | $\bot$ |            |          | 136        | Щ               | _                     | +       | ļ.,      | ـ                   | Ш               | _        |          |
| $\vdash$               | 37          | $\dashv$        |          | -         | +                       | +        | +       | ╁       |          | - :         | 1    |          | 87       |                 | +            | ╁       | +        |                    | -                       | +      | ::.<br>::: |          | 137        | $\vdash \vdash$ |                       | ┿       | ┼-       | ├-                  | $\vdash$        | -        | -        |
| $\vdash \vdash \vdash$ | 38<br>39    | $\dashv$        | $\dashv$ | $\dashv$  | +                       | +        | +       | ╁       | +        | $\dashv$    | ŀ    |          | 88       | +               | +            | +       | ╀        | $\vdash \vdash$    | +                       | +      |            |          | 138<br>139 | $\vdash$        | -                     | +-      | +        | $\vdash$            | $\vdash$        | $\dashv$ | $\vdash$ |
| <del>├─</del> ┤        | 40          | -               | +        | $\dashv$  | $\dashv$                | +        | ╅       | ╁       | +        | -           | ŀ    | $\dashv$ | 90       | +               | ╅            | ╁       | +        | $\vdash \vdash$    | +                       | +-     |            |          | 140        | $\vdash \vdash$ | +                     | +       | ╁        | +                   | $\vdash \vdash$ | $\dashv$ | Н        |
|                        | 41          | -               | ┪        | +         | 十                       | +        | +       | +       | ╅        | $\dashv$    | ł    |          | 91       | -               | 十            | ╅       | †-       | H                  | +                       | $\top$ | ŀ          |          | 141        | $\vdash$        | $\dashv$              | +       | +        |                     | $\vdash$        | $\dashv$ | Г        |
|                        | 42          | $\dashv$        | 7        | $\dashv$  | 十                       | +        | +       | T       | +        | ┪           | 1    |          | 92       | +               | 十            | ╅       | †        | H                  | $\top$                  | $\top$ |            |          | 142        | $\vdash$        | +                     | +       | +        | П                   | $\vdash$        | $\dashv$ | _        |
|                        | 43          | 寸               | $\dashv$ | $\dashv$  | 7                       | +        | _       | 十       | +        | 1           | Ì    |          | 93       | $\neg$          | 1            | ╅       | T        | $\Box$             | _                       | П      |            |          | 143        |                 | _                     | 1       | 1        |                     | $\Box$          | $\dashv$ | Т        |
|                        | 44          | $\neg$          | 7        | 寸         | 7                       |          | $\top$  | 1       | T        | 7           | Ì    | $\neg$   | 94       | $\neg \vdash$   | $\top$       | 1       | 1        | П                  | $\top$                  | П      |            |          | 144        |                 | $\top$                | T       | t        |                     | П               | $\neg$   | _        |
|                        | 45          | 丁               | ╛        | ⇉         | ⇉                       |          |         | I       | 丁        |             | Ī    |          | 95       |                 | I            | floor   | Γ        |                    | ightharpoons            |        |            |          | 145        |                 |                       | Ι       | Γ        |                     |                 |          | _        |
|                        | 46          | J               | J        | $\Box$    | $oldsymbol{\mathbb{I}}$ | Ι        | $\int$  | Ι       | floor    |             |      |          | 96       | $\Box T$        | I            | Ι       | $\Box$   |                    | $oldsymbol{\mathbb{T}}$ |        |            |          | 146        |                 |                       |         |          |                     |                 | 二        | _        |
|                        | 47          | $\Box$          | $\Box$   | $\Box$    | I                       | $\perp$  | $\perp$ | I       | T        |             | [    | $\Box$   | 97       | $\Box \Box$     | I            | L       |          |                    |                         | $\Box$ |            |          | 147        |                 |                       | Γ       |          |                     |                 | コ        |          |
| igspace                | 48          | _               | _        | 4         | 4                       | _        | 4       | 4       | 4        | 4           | 1    |          | 98       | _               | 4            | - -     | ╄-       | $\sqcup$           | 4                       | +      |            |          | 148        | $\sqcup$        |                       | $\perp$ | <u> </u> |                     | Щ               | _        | _        |
| $\longmapsto$          | 49          | 4               | 4        | -         | +                       | 4        | -       | +       | +        | _           | 1    |          | 99       |                 | 4            | +       | ـ        | $\vdash$           | +                       | +      |            |          | 149        | _               | -                     | 4_      |          | $\vdash \downarrow$ | 1               | _        |          |
| ш                      | 50          |                 | _1       | $\perp$ L |                         |          | ᆚ       | 1       | L        | ال          | L    |          | 100      |                 | ┸            |         | 1        | $oldsymbol{\perp}$ | ┸                       | ╙      |            |          | 150        |                 | ᆚ                     | Щ.      | Ц_       | <u> </u>            | لـــا           |          |          |